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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**B. TECH-II -SEM-II MID EXAMINATIONS-II**

**Subject: SOFTWARE ENGINEERING**

**Time: 10:00 AM to11:30 AM Date: 10/05/2025**

**Branch: IT Marks: 30M**

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Note: Question paper contains two parts, Part-A and Part- B.

Part-A is compulsory which carries 10 marks.

Answer all questions in part-A.

**PART-A 5 x 2 M = 10 M**

**BTL CO**

1. List out UML diagrams 1 3
2. Explain about function point metric. 5 4
3. What is meant by software measure 1 4
4. Discuss about software Quality assurance. 6 5
5. Define Software reliability and software maintenance 1 5

**PART-B 4 x 5 M = 30 M**

**Answer any four questions**

**BTL CO**

6)Explain about Building Blocks of UML 1 3

7)Discuss about mapping data flow into Software architecture. 6 3

8)What is Black box testing? Demonstrate with an example about boundary value analysis

2 4

9) Explain about test strategies for conventional Software. 5 4

10)What is the role of Formal Technical Reviews in Quality control 1 5

11) Explain about RMMM and RMMM Plan. 5 5

**MID II SCHEME OF EVALUATION**

**PART-A**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **1** | UML diagrams | **2** | **2** |
| **2** | Function point metric | **1** | **2** |
| **3** | Software measure | **2** | **2** |
| **4** | software Quality assurance | **2** | **2** |
| **5** | Software reliability  Software maintenance | **1**  **1** | **2** |

**PART-B**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **6** | Building Blocks of UML | **5** | **5** |
| **7** | Data flow into Software architecture | **5** | **5** |
| **8** | Black box testing  Boundary value analysis | **2.5**  **2.5** | **5** |
| **9** | Test strategies for conventional Software | **5** | **5** |
| **10** | Formal Technical Reviews | **5** | **5** |
| **11** | RMMM  RMMM Plan | **2.5**  **2.5** | **5** |